REMARKS

In accordance with the foregoing, various of the pending claims 1-16 have been amended to improve form. No new matter has been presented.

Approval and entry of the foregoing amendments is respectfully requested.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: August 6, 2001

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the following claims:

1. (ONCE AMENDED) A data conversion method for displaying an image, comprising conversion of original frame data indicating gradation of a pixel into display frame data defining a light emission timing of a display element in a display frame period, the conversion [including the steps of] , comprising:

determining a light emission waveform in accordance with display frame data of plural frames containing [the] a current frame and [the] a previous frame;

performing Fourier expansion of an error between the determined light emission waveform and a target light emission waveform defined by the original frame data corresponding to the determined light emission waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.

3. (ONCE AMENDED) The data conversion method according to claim 1, wherein the weight of each Fourier component, of a frequency above a flicker frequency, is set to "0".

4. (ONCE AMENDED) The data conversion method according to claim 1, wherein [the] a period of each display frame [period] is different from a period of each [the] original frame [period].

8. (ONCE AMENDED) A data conversion method for displaying an image, comprising conversion of original frame data indicating gradation of a pixel into display frame data defining a light emission timing of a display element in a display frame period, the conversion [including the steps of] , comprising;

[performing Fourier expansion of an error between a gradation waveform indicating a transition of gradation to be displayed and a target gradation waveform, an error with weight obtained by setting weight to each Fourier component being small;]

performing a Fourier expansion of an error between a gradation waveform indicating a gradation transition defined by display frame data of plural frames containing [the] a current frame and [the] a previous frame and a target gradation waveform defined by original frame data corresponding to the gradation waveform; and

setting the display frame data of the current frame so that a sum of error components, with [weight] respective weights that are obtained by weighting each Fourier component, is minimized.

10. (ONCE AMENDED) The data conversion method according to claim 8, wherein the weight of each Fourier component, of a frequency above a flicker frequency, is set to "0".

15. (ONCE AMENDED) A display device expressing gradation of original frame data by controlling a light emission timing of a display element in accordance with display frame data, the device comprising:

an original frame memory [for] memorizing original frame data of at least one frame;

a display frame memory [for] memorizing display frame data of at least one frame;

a data converting circuit [for] outputting data corresponding to an input data value as display frame data of [the] an n-th frame, responding to an input of original frame data of the n-th frame, original frame data of at least an (n-1)th frame from the original frame memory and display frame data of at least an (n-1)th frame from the display frame memory, wherein the display frame data outputted by the data converting are prepared by: [the data conversion method of claim 1]

determining a light emission waveform in accordance with display frame data of plural frames containing a current frame and a previous frame;

performing Fourier expansion of an error between the determined light emission waveform and a target light emission waveform defined by the original frame data corresponding to the determined light emission waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.

16. (ONCE AMENDED) A display device expressing gradation of original frame data by controlling a light emission timing of a display element in accordance with display frame data, the device comprising:

an original frame memory [for] memorizing original frame data of at least one frame;

a display frame memory [for] memorizing display frame data of at least one frame;

a data converting circuit [for] outputting data corresponding to an input data value as display frame data of the n-th frame, responding to an input of original frame data of the n-th frame, original frame data of at least an (n-1)th frame from the original frame memory and display frame data of at least an (n-1)th frame from the display frame memory, wherein the display frame data outputted by the data converting circuit are prepared by: [the data conversion method of claim 8]

performing a Fourier expansion of an error between a gradation waveform indicating a gradation transition defined by display frame data of plural frames containing a current frame and a previous frame and a target gradation waveform defined by original frame data corresponding to the gradation waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.